




From: Separation Science e-Learning <elearning.solutions@sepscience.com>
Sent: Wednesday, April 25, 2012 2:11 PM
To: Hanchett, James (DPH)
Subject: Today in Separation Science - Latest Issue now Available






Web Version Forward Unsubscribe

e-Learning Update

Separation Science

IN THIS ISSUE

- Analysis of Acids by Reversed Phase HPLC with Anion Suppression and Conductivity Detection
- Optimization of Analytical Methods Using Factorial Designs Part 1: An Introduction
- Featured Applications



Analysis of Acids by Reversed Phase HPLC with Anion Suppression and Conductivity Detection

A liquid chromatographic method for the determination of propionic and acrylic acids in aquatic mixtures was developed by combining three techniques: HPLC reversed-phase separation, anion suppression and conductivity detection. This combination yields a similar response for both acids allowing their determination at ppm level and was found to be applicable to samples containing other organic compounds.

[Click for PDF>>](#)

Optimization of Analytical Methods Using Factorial Designs Part 1: An Introduction

The conventional approach for optimizing analytical methods in the laboratory is the one-factor-at-a-time approach, where each experimental factor or parameter is optimized separately and independently of other factors. In contrast, factorial designs involve simultaneous optimization of all factors at once. Factorial designs offer a simple, efficient, and statistically valid method for optimizing analytical methods. In this article, the first of a three-article series, we will take an introductory look at factorial designs and its benefits to the analytical laboratory.

[Click for PDF>>](#)

FEATURED APPLICATIONS

Improved Clean Up and Recovery of Pharmaceutical Compounds From Plasma using Strata-X Solid Phase Extraction (SPE) vs Traditional Liquid-Liquid Extraction Methods

Company: Phenomenex
[Click to read>>](#)

Fast, Definitive Data for Blood Alcohol Testing

Company: Restek
[Click to read>>](#)

LC-MS/MS Method for the Determination of Testosterone using an Accucore C8 HPLC Column

Company: Thermo Fisher Scientific
[Click to read>>](#)

Improved Ruggedness of the UPLC Transferred USP Method for Donepezil Tablets

Company: Waters
[Click to read>>](#)

Measuring Antibody-Antigen Interactions with the Calypso

Company: Wyatt Technology
[Click to read>>](#)

Automated purification of His-tagged β -galactosidase

Company: Knauer
[Click to read>>](#)

HPLC ARTICLES

- Measuring Dwell Volume
- Peak Purity
- Method Limits
- Column blockage
- LLOQ
- Resolution

GC ARTICLES

- Calibration Curves
- GC Fittings
- Stationary Phase Selectivity
- Polar Interactions

MS ARTICLES

- Nist 11: Part 5
- Nist 11: Part 4
- Nist 11: Part 3
- Nist 11: Part 2
- Nist 11: Part 1
- Improving Electrospray LODs by Decreasing Column Diameter

Published by Eclipse Business Media Ltd
Frederick House | Princes Court | Beam Heath Way | Nantwich | Cheshire CW5 6PQ | United Kingdom
20 Maxwell Road | #08-17 Maxwell House | Singapore 069113

Copyright © 2012 Eclipse Business Media Ltd. All rights reserved.

To sponsor or advertise in this newsletter contact: info@eclipsebusiness.com
For editorial contributions: content@eclipsebusiness.com

This message was sent from Separation Science e-Learning to james.hanchett@state.ma.us. It was sent from: Eclipse Business Media Ltd, Frederick House, Princes Court, Beam Heath Way, Nantwich, Cheshire CW5 6PQ, United Kingdom. You can modify/update your subscription via the link below.

[Unsubscribe](#)